RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/510,413
Source:	PCT
Date Processed by STIC:	07-05-7 LOS

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 07/05/2005
PATENT APPLICATION: US/10/510,413 TIME: 11:06:25

Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt

Output Set: N:\CRF4\07052005\J510413.raw

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3 <110 > APPLICANT: Novartis AG
     5 <120> TITLE OF INVENTION: Compound Screening
     7 <130> FILE REFERENCE: 4-32448A/NFI 8016
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/510,413
C--> 9 <141> CURRENT FILING DATE: 2004-10-06
     9 <160> NUMBER OF SEQ ID NOS: 16
    11 <170> SOFTWARE: PatentIn version 3.1
    13 <210> SEQ ID NO: 1
    14 <211> LENGTH: 326
    15 <212> TYPE: PRT
    16 <213> ORGANISM: human full-length sHuR
    18 <220> FEATURE:
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    20 <222> LOCATION: (1)..(326)
    21 <223> OTHER INFORMATION:
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    29 Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
                                        25
                    20
    33 Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
    37 Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
                                55
    41 Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
                            70
    45 Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
                                            90
                        85
    49 Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
                   100
                                        105
    53 Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
                                    120
               115
    57 Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
    61 Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
                                                155
                            150
    65 Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
                        165
                                            170
    69 Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn
                                        185
    73 Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly
               195
                                    200
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77 Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly

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Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt

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- 210 215 81 Val Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala 230 235 85 Ser Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp 245 89 Glu Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn 260 265 93 Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly 280 97 Phe Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser 295 300 101 Leu Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys 102 305 310 315 105 Thr Asn Lys Ser His Glu 109 <210> SEQ ID NO: 2 110 <211> LENGTH: 325 111 <212> TYPE: PRT 112 <213> ORGANISM: Homo sapiens 114 <220> FEATURE: W--> 115 <221> NAME/KEY: sHuR 116 <222> LOCATION: (2)..(325) 117 <223> OTHER INFORMATION: W--> 119 < 400> 2121 Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile 125 Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln 20 25 129 Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala 40 133 Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe 55 137 Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu 141 Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg 145 Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu 105 149 Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe 115 120 153 Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu 135
 - 150 155 161 Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu
 - 170 165 Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn Val

157 Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu

- 185
- 169 Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly Gly

RAW SEQUENCE LISTING DATE: 07/05/2005
PATENT APPLICATION: US/10/510,413 TIME: 11:06:25

Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt

Output Set: N:\CRF4\07052005\J510413.raw

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195
                                     200
     173 Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly Val
                                 215
     177 Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala Ser
     181 Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp Glu
                        245
                                             250
     185 Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn Val
                    260
                                         265
    189 Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly Phe
         275
                                     280
     193 Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser Leu
     194 290
                                295
     197 Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys Thr
                                                 315
     201 Asn Lys Ser His Glu
     202
     205 <210> SEQ ID NO: 3
     206 <211> LENGTH: 189
     207 <212> TYPE: PRT
     208 <213> ORGANISM: Homo sapiens
    210 <220> FEATURE:
W--> 211 <221> NAME/KEY: HuR12
     212 <222> LOCATION: (1)..(189)
     213 <223> OTHER INFORMATION:
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     221 Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
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    225 Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
    229 Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
    233 Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
    237 Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
    241 Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
                    100
                                         105
    245 Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
               115
                                     120
    249 Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
                                135
                                                    140
     253 Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
                            150
                                                155
    257 Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
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261 Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln

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Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt
                     Output Set: N:\CRF4\07052005\J510413.raw
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     262
                     180
     265 <210> SEQ ID NO: 4
     266 <211> LENGTH: 188
     267 <212> TYPE: PRT
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W--> 271 <221> NAME/KEY: HuR12
     272 <222> LOCATION: (2)..(188)
     273 <223> OTHER INFORMATION:
W--> 275 <400> 4
     277 Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile
     281 Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln
                     20
                                         25
     285 Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala
                 35
                                     40
     289 Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe
     293 Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu
     297 Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg
                         85
                                             90
     301 Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu
                                         105
                     100
     305 Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe
                115
                                     120
                                                          125
     309 Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu
                                 135
         130
     313 Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu
                             150
                                                 155
     317 Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu
                         165
     321 Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln
     322
                     180
     325 <210> SEQ ID NO: 5
     326 <211> LENGTH: 34
     327 <212> TYPE: RNA
     328 <213> ORGANISM: Homo sapiens
     330 <220> FEATURE:
W--> 331 <221> NAME/KEY: ARE sequence of human TNF-alpha
     332 <222> LOCATION: (1)..(34)
     333 <223> OTHER INFORMATION:
W--> 335 < 400 > 5
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     336 auuauuuauu auuuauuuau uauuuauuua uuua
     339 <210> SEQ ID NO: 6
     340 <211> LENGTH: 33
     341 <212> TYPE: RNA
     342 <213> ORGANISM: Homo sapiens
     344 <220> FEATURE:
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,413

DATE: 07/05/2005

TIME: 11:06:25

Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt Output Set: N:\CRF4\07052005\J510413.raw W--> 345 <221> NAME/KEY: ARE sequence of human IL-2 346 <222> LOCATION: (1)..(33) 347 <223> OTHER INFORMATION: W--> 349 <400> 6 33 350 uauuuauuua aauauuuaaa uuuuauauuu auu 353 <210> SEQ ID NO: 7 354 <211> LENGTH: 33 355 <212> TYPE: RNA 356 <213> ORGANISM: Homo sapiens 358 <220> FEATURE: W--> 359 <221> NAME/KEY: ARE sequence of IL-1 beta 360 <222> LOCATION: (1)..(33) 361 <223> OTHER INFORMATION: W--> 363 <400> 7 364 uauuuauuua uuuauuuguu uguuuguuuu auu 33 367 <210> SEQ ID NO: 8 368 <211> LENGTH: 56 369 <212> TYPE: RNA 370 <213> ORGANISM: Homo sapiens 372 <220> FEATURE: W--> 373 <221> NAME/KEY: ARE sequence of human IL-4 374 <222> LOCATION: (1)..(56) 375 <223> OTHER INFORMATION: W--> 377 <400> 8 378 auuuuaauuu augaguuuuu gauagcuuua uuuuuuaagu auuuauauau uuauaa 56 381 <210> SEQ ID NO: 9 382 <211> LENGTH: 26 383 <212> TYPE: RNA 384 <213 > ORGANISM: Homo sapiens 386 <220> FEATURE: W--> 387 <221> NAME/KEY: ARE sequence of human IL-8 388 <222> LOCATION: (1)..(26) 389 <223> OTHER INFORMATION: W--> 391 <400> 9 392 uauuuauuau uuauguauuu auuuaa 26 395 <210> SEQ ID NO: 10 396 <211> LENGTH: 35 397 <212> TYPE: RNA 398 <213> ORGANISM: Homo sapiens 400 <220> FEATURE: W--> 401 <221> NAME/KEY: ARE sequence of human Cox-2 402 <222> LOCATION: (1)..(35) 403 <223> OTHER INFORMATION: W--> 405 <400> 10 35 406 uauuaauuua auuauuuaau aauauuuaua uuaaa 409 <210> SEQ ID NO: 11 410 <211> LENGTH: 17 411 <212> TYPE: RNA 412 <213> ORGANISM: artificial

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,413

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/05/2005 PATENT APPLICATION: US/10/510,413 TIME: 11:06:26

Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt

Output Set: N:\CRF4\07052005\J510413.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:11,12,13,14,15,16

VERIFICATION SUMMARY DATE: 07/05/2005
PATENT APPLICATION: US/10/510,413 TIME: 11:06:26

Input Set : A:\8016-4-32448.corr-25-Nov-2003.ST25.txt
Output Set: N:\CRF4\07052005\J510413.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:19 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:23 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:21 L:115 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2 L:119 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:117 L:211 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3

L:211 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3 L:215 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:213

L:271 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4 L:275 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:273

L:331 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5

L:335 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:333 L:345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6

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L:359 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7

L:363 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:361

L:373 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8

L:377 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:375

L:387 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9

L:391 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:389

L:401 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10

L:405 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10, Line#:403